



Space Congress Programs

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2002 Thirty-Ninth Space Congress Preliminary Program

Canaveral Council of Technical Societies

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Thirty-Ninth Space Congress
Post Office Box 245
Cape Canaveral, FL 32920-0245



PRELIMINARY PROGRAM

Beginning a New Era: Initiatives in Space

Cape Canaveral, Florida

April 30 - May 3, 2002

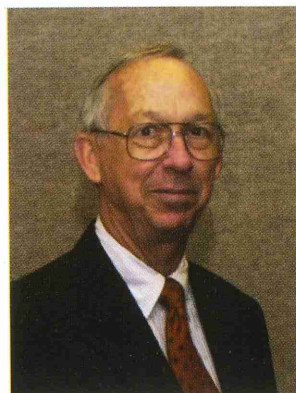
CHAIRMAN'S MESSAGE

This year's theme is
*"Beginning a New Era—
Initiatives in Space"*

This is the 39th continuous year for the Space Congress and indications are that this will be a most excellent gathering. The International Space Station is well into construction with awesome science already taking place. The Eastern Launch Site can expect the maiden launches of two new expendable launch vehicles in 2002: Delta IV and Atlas V. These systems are intended to increase performance and reliability at significantly reduced costs. The panel sessions we have set up, Spaceport /Infrastructures, Space Transportation, and Cutting Edge Technologies should provide significant insight into the state of these and other programs.

Our keynote speaker is Dr. Vance Coffman, the Chairman and CEO of Lockheed Martin, and our banquet speaker is Mr. Art Stephenson, Director of Marshall Space Flight Center. Our luncheon speakers are Lt Gen Brian Arnold, Commander Space and Missile Center and Susan Helms, ISS astronaut. These and our panel and paper session chairs should provide broad insight into military and civilian space initiatives, new technologies, and stimulate discussion on all fronts. Meeting the Astronauts and touring the many space exhibits should top off a most exciting event and I anticipate this Space Congress to be an invigorating experience.

Please plan to participate in the 39th Space Congress at Cape Canaveral, Florida. I look forward to seeing you there.




Walter S. Yager,
General Chairman,
39th Space Congress

REGISTRATION

Headquarters for the **Thirty-Ninth Space Congress** is the Radisson Resort at the Port, Bonaire Room, located in the convention center. There you may pick up your registration package and other Space Congress material including copies of the proceedings, tickets for panel/paper sessions, exhibit reception, luncheons and the banquet. Space Congress memorabilia will be available in the lobby of the Convention Center of the Radisson Resort at the Port. Registration will be open from 12:00 - 5:00 p.m. on Monday, April 29 and 7:00 a.m. - 5:00 p.m. from Tuesday through Thursday. Fill out the form on the reverse side of this brochure to register by mail or FAX. You may also E-Mail spacecongress@spacecongress.org or register on line at www.spacecongress.org. Your registration will be confirmed by return mail. Register early to assure banquet tickets. Requests for refunds will not be honored after April 16, 2002.

TRANSPORTATION

Because this year's Congress is being held in just one location, the Radisson Resort, no transportation between the Congress and other local hotels is planned. If this affects your planning for a rental car, you should make arrangements accordingly. Limited courtesy van transportation may be provided by other hotels, but you should confirm the availability of such transportation with the hotel you plan to use.

EXHIBITS

The exhibit hall will feature displays and demonstrations from over 60 exhibitors. It will include exhibits on Space Shuttle, International Space Station, computer graphics demonstration, and other aerospace related topics. The exhibit hall will be open to the public in the Radisson Resort at the Port on the following schedules: Tuesday - 11:00 a.m. to 7:00 p.m.; Wednesday - 11:00 a.m. to 5:00 p.m.; and Thursday - 9:00 a.m. to 3:00 p.m. Admission tickets are available at the Registration Desk for the Wednesday Exhibit Reception to be held from 6:00 - 8:00 p.m.

YOUTH SCIENCE FAIR

Regional Youth Science Fair displays and demonstrations will be open to the public Tuesday through Thursday, in the Radisson Convention Center Exhibit Hall. Exhibits will be judged and awards presented on Thursday evening, May 2, at the beginning of the "Meet the Astronauts" panel session.

STUDENT DISCOUNT

Students may attend panel or paper sessions at no charge. Students must check in at the Registration Desk to pick up free admission tickets upon presentation of any valid student ID.

SPONSOR

The Thirty-Ninth Space Congress is sponsored by the Canaveral Council of Technical Societies (CCTS). The council is composed of the Cape Canaveral area affiliates of 30 national, technical, and professional societies and an advisory group. Included in the advisory group are Brevard Community College, Embry-Riddle Aeronautical University, Florida Tech, the Florida Solar Energy Center, and the University of Central Florida. A CCTS Information Desk will be located in the Convention Center Lobby at the Radisson. Additional information about CCTS is available at <http://www.canaveralcts.org>.

CCTS MEMBER SOCIETIES:

AACE International
Air Force Association (Cape Canaveral Chapter)
American Institute of Aeronautics & Astronautics
American Institute of Chemical Engineers
American Meteorological Society
American Society of Civil Engineers
American Society of Heating, Refrig. & A/C Engineers
American Society for Industrial Security
American Society of Mechanical Engineers
American Society for Quality
American Society of Safety Engineers
American Society for Training and Development
Armed Forces Communications and Electronics Association
Florida Engineering Society
Florida Space Business Roundtable
Institute of Electrical & Electronic Engineers
(Melbourne and Canaveral Sections)
International Council On Systems Engineering
Missile, Space & Range Pioneers, Inc.
NASA Alumni League
National Contract Management Association
National Space Club-Florida Committee
Society for Technical Communication
Society of American Military Engineers
Society of Logistics Engineers
Society of Manufacturing Engineers
Society of Women Engineers

Associate Members:

Association for Quality and Participation
Brevard Council of Teachers of Mathematics-Florida
National Management Association-Florida Space Coast Council
USAF Space & Missile Museum Foundation

PIONEERS' BANQUET

The Missile, Space and Range Pioneers' cocktail party and banquet at the Patrick Air Force Base Officers' Club will commence at 6:30 p.m. on Friday evening, May 3, following the **Thirty-Ninth Space Congress**. The Pioneers is a non-profit organization founded for the purpose of furthering interest in our nation's space programs and providing an opportunity for people associated with missile, space and range activities to meet socially and renew acquaintances. A Pioneers Information and Memorabilia Desk will be located in the Radisson Convention Center Lobby. For information write: Pioneers, P.O. Box 5227, Patrick Air Force Base, FL 32925-1227.

PARKING

Adequate parking is available at the Radisson Resort at the Port, where the Keynote address, Paper and Panel Sessions, Luncheons, Banquet, Exhibits, and Science Fair will be held.

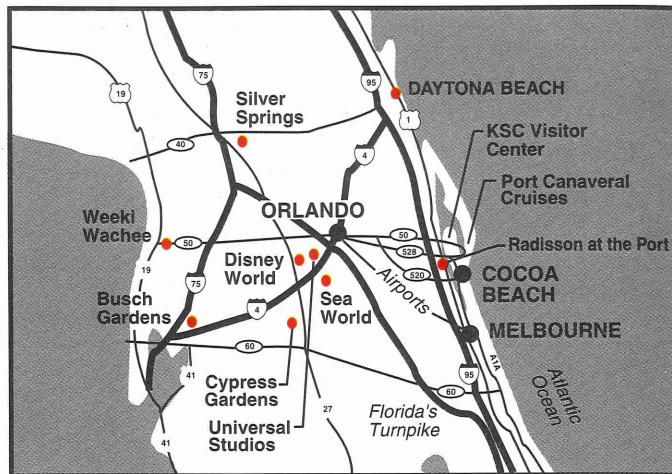
AIRPORTS

Melbourne International Airport
Orlando International Airport
Daytona Beach International Airport

Limousine and van services are available from Melbourne and Orlando airports to Cape Canaveral and Cocoa Beach.

AUTO RENTALS

Reservations and rentals can be made at Cape Canaveral or at the Melbourne, Orlando, and Daytona airports. Agencies include:
Hertz, Avis, National, Budget, Dollar, General, and Enterprise.



ATTRACTION CENTERS

The Space Coast is among the most popular tourist destinations in the world, featuring a unique blend of high tech and natural attractions.

The Kennedy Space Center Visitor Complex offers visitors an unprecedented insiders' view of the exciting past, present and future of our nation's space program. The Astronaut Hall of Fame showcases the personal side of spaceflight with astronaut artifacts and memorabilia. Brevard Community College is home to one of the world's premier planetariums with a variety of public shows and presentations.

The Space Coast is home to one of the nation's busiest cruise terminals featuring 3 and 4 day cruises to the Bahamas aboard Disney and Carnival lines. Additionally, there are daily casino cruises aboard the Sterling and Suncruz lines.

The area is also a natural paradise with over 72 miles of beaches and some of the best fresh and saltwater fishing in the nation. The Space Coast is only an hour away from some of the world's most popular tourist attractions, including Walt Disney World, Universal Studios and Sea World.

SPACE CONGRESS GOLF TOURNAMENT

Golfers will be able to enjoy a tournament at the Cocoa Beach Country Club on Friday, May 3, 2002.

The tournament will be a scramble format, utilizing a team handicap. Foursomes may sign-up if they provide a combined total, certifiable handicap of 58 or higher. NOTE: Only one player with a handicap of 10 or lower allowed per team.

Singles that sign up will be paired with teams that are not filled. A maximum of 144 players will be registered on a first-in basis.

Entry fee is \$50 per player or \$200 per 4-person team. Included in the entry fee: Green fees, 1/2 cart, lunch, and prizes.

Schedule of events is as follows:

| | |
|------------|---------------|
| 10:00 a.m. | Check-in |
| 11:00 a.m. | Lunch |
| 12:00 p.m. | Shotgun Start |

INFORMATION

Further questions regarding participation in the **Thirty-Ninth Space Congress** should be directed to: Thirty-Ninth Space Congress, P.O. Box 321333, Cocoa Beach, FL 32932. Telephone answering service for faster response: 321-868-1623, (Fax 321-783-5579), or via e-mail to spacecongress@spacecongress.org. The Space Congress website is: <http://www.spacecongress.org>.

PROGRAM

TUESDAY, APRIL 30

KEYNOTE ADDRESS (8:00 a.m. to 9:00 a.m.)

Speaker: Dr. Vance Coffman
Chairman and CEO
Lockheed Martin Corporation

PANEL SESSION I (9:30 a.m. to 12:00 p.m.)

Spaceport/Infrastructures

Panel Chairman: Jim Heald
Spaceport Engineering &
Technology Director
Kennedy Space Center

PAPER SESSION I (1:00 p.m. to 4:30 p.m.)

- I A. Exploration Initiatives** – Recent exciting discoveries in our galaxy and beyond.
Session Chairman: TBD
- I B. Space Business Initiatives** – Enlightening State, National and Global Commercial space initiatives and business cases, including satellite services, spaceports, and business partnerships.
Session Chairman: Tim Franta
Spaceport Florida Authority
- I C. Hubble Discoveries** – Scientists will reveal recent discoveries and findings from the Hubble Space Telescope in addition to information on the Next Generation Space Telescope.
Session Chairman: Dr. Frank Ceppolina
Hubble Space Telescope Director,
NASA/Goddard Space Flight Center

EXHIBITS & SCIENCE FAIR (11:00 a.m. to 7:00 p.m.)

Radisson Convention Center Exhibit Hall

SPACE CONGRESS BANQUET

Social Hour (7:00 p.m.)
Dinner/Program (8:00 p.m.)
Speaker: Art Stephenson
NASA/Marshall Space Flight
Center Director

WEDNESDAY, MAY 1

PANEL SESSION II (8:30 a.m. to 11:00 a.m.)

Space Transportation: New Places, New Ways?

Panel Chairman: Jean-Michel Desobeau
ATV Director, Arianespace

LUNCHEON (12:00 noon to 1:30 p.m.)

Speaker: Lt. Gen. Brian Arnold
Commander Space and
Missile Center

PAPER SESSION II (2:00 p.m. to 5:00 p.m.)

- II A. A New Era in Access to Space** – A worldwide look at launch vehicles and facilities, future space transportation initiatives (i.e. X-37, X-40), spaceport technology, and future DoD initiatives.
Session Chairman: Jean-Michel Desobeau
ATV Director, Arianespace
- II B. Advancements in Technology** – A broad spectrum of forward moving technology initiatives, advances in human exploration and development of space, technology transfer to the private sector and DoD cutting edge initiatives.
Session Chairman: David Bartine
NASA/ Kennedy Space Center
Chief Technologist
- II C. Florida's Role in Space Research** – Florida's leadership role in space research programs with topics such as biotechnology, material science research and spin-offs.
Session Chairman: John David Bartoe
Research Manager
Space Station Program
NASA/Johnson Space Center

EXHIBITS & SCIENCE FAIR (11:00 a.m. to 5:00 p.m.)

Radisson Convention Center Exhibit Hall

EXHIBITORS RECEPTION (6:00 p.m. to 8:00 p.m.)

Exhibit Hall (Ticket Required)

THURSDAY, MAY 2

PANEL SESSION III (8:30 a.m. to 11:00 a.m.)

Cutting Edge Technologies

Panel Chairman: Dan Dumbacher
NASA/ Marshall Space Flight
Center

LUNCHEON (12:00 noon to 1:30 p.m.)

Speaker: Susan Helms
ISS Astronaut

PAPER SESSION III (2:00 p.m. to 5:00 p.m.)

III A. Education – Impressive space based educational programs, research grants, facilities, and opportunities for space based scientific research.

Session Chairman: Rick Fisher
Challenger Learning Center

III B. ISS - A New Era in Human Presence in Space – An exciting look at the International Space Station advances, mission milestones, mission operations and accomplishments.

Session Chairman: Dave Bethay
Boeing Corporation

III C. Preparing for the Future by Looking at Our Past – A historical perspective of our nation's pride – the U.S. space program, including heritage launch programs, interesting lessons learned and application to future initiatives.

Session Chairman: Cal Fowler
U.S. Space Walk of Fame

EXHIBITS & SCIENCE FAIR (9:00 a.m. to 3:00 p.m.)

Radisson Convention Center Exhibit Hall

PANEL SESSION IV (7:00 p.m. to 9:00 p.m.)

Meet the Astronauts

Panel Chairman: Roy D. Bridges, Jr.
Center Director,
NASA/Kennedy Space Center

Science fair awards presentation
Astronaut Interaction

FRIDAY, MAY 3

STUDENT EDUCATION (9:30 a.m. to 11:30 a.m.)

Panel Chairman: Jane Mosconi

SPACE CONGRESS GOLF TOURNAMENT

| | |
|-----------------|-------------------------|
| Golf Check-in | 10:00 a.m. – 11:00 a.m. |
| Golf Lunch | 11:00 a.m. – 12:00 noon |
| Golf Tournament | 12:00 noon – 5:00 p.m. |

OTHER ACTIVITIES AVAILABLE NOT PART OF
THE OFFICIAL SPACE CONGRESS PROGRAM

MISSILE, SPACE & RANGE PIONEERS' ANNUAL BANQUET (6:30 p.m. to 10:00 p.m.)

Officers Club, Patrick Air Force Base

ALL SPACE CONGRESS ACTIVITIES WILL BE
HELD AT THE RADISSON RESORT AT THE PORT.